

Laucks® 81 years

Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Certificate

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98124
ATTN: Raphael

LABORATORY NO. 17437

DATE: July 17, 1989

PO# M10646

REPORT ON: WATER

SAMPLE

IDENTIFICATION: Submitted 07/10/89 and identified as shown below:

- 1) 7-5-3200-M10646-I
- 2) 7-5-3200-M10646-II
- 3) 7-5-3200-M10646-III
- 4) 7-5-3200-M10646-VI
- 5) 7-5-3200-M10646-V
- 6) 7-5-3200-M10646-IV
- 7) 7-5-3200-M10646-VII
- 8) 7-5-3200-M10646-VIII
- 9) 7-5-3200-M10646-IX
- 10) 7-5-3200-M10646-XII
- 11) 7-5-3200-M10646-XI
- 12) 7-5-3200-M10646-X
- 13) 7-5-3200-M10646-XIII
- 14) 7-5-3200-M10646-XIV

TESTS PERFORMED AND RESULTS:

| | <u>parts per million (mg/L)</u> | | | |
|----------|---------------------------------|----------|----------|----------|
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Chromium | 1.8 | 1.8 | 0.78 | 1.6 |
| Copper | 2.0 | 2.4 | 0.92 | 1.3 |
| Nickel | 2.6 | 2.9 | 0.72 | 0.90 |
| Zinc | 0.12 | 0.13 | 0.058 | 0.068 |



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AKC-0015202

Laucks ⁸¹ years

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PAGE NO. 2

Alaskan Copper Works

LABORATORY NO. 17437

parts per million (mg/L)

| | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> |
|----------|----------|----------|----------|----------|
| Chromium | 2.6 | 2.5 | 2.0 | 2.5 |
| Copper | 1.8 | 1.9 | 1.3 | 2.8 |
| Nickel | 1.2 | 1.2 | 0.76 | 3.7 |
| Zinc | 0.074 | 0.080 | 0.078 | 0.26 |

| | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> |
|----------|----------|-----------|-----------|-----------|
| Chromium | 3.0 | 1.6 | 2.5 | 6.2 |
| Copper | 2.8 | 2.8 | 1.8 | 4.2 |
| Nickel | 4.2 | 2.8 | 2.6 | 4.9 |
| Zinc | 0.24 | 0.38 | 0.14 | 0.34 |

| | <u>13</u> | <u>14</u> |
|----------|-----------|-----------|
| Chromium | 2.9 | 0.45 |
| Copper | 2.7 | 0.19 |
| Nickel | 2.9 | 0.29 |
| Zinc | 0.32 | 0.018 |

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens



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